EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	380	(715/511).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/23 15:51
L2	2697	(715/513).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/23 15:51
L3	699	(715/531).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/23 15:55
L4	1	("20050251738").PN.	US-PGPUB; USPAT	OR	OFF	2006/06/23 16:00
L5	37	document with revision with support	US-PGPUB; USPAT	OR	ON	2006/06/23 16:07
L8	32762	receiv$4 with document	US-PGPUB; USPAT	OR	ON	2006/06/23 16:01
L9	16	5 and 8	US-PGPUB; USPAT	OR	ON	2006/06/23 16:01
L10	3357	document with tree	US-PGPUB; USPAT	OR	ON	2006/06/23 16:07
L11	1	9 and 10	US-PGPUB; USPAT	OR	ON	2006/06/23 16:01
L12	2924	revis$6 with document	US-PGPUB; USPAT	OR	ON	2006/06/23 16:07
L13	193	10 and 12	US-PGPUB; USPAT	OR	ON	2006/06/23 16:01
L14	136	8 and 13	US-PGPUB; USPAT	OR	ON	2006/06/23 16:01
L15	1544	revis$5 with element	US-PGPUB; USPAT	OR	ON	2006/06/23 16:01
L16	9	14 and 15	US-PGPUB; USPAT	OR	ON	2006/06/23 16:02
L17	3633	identif$8 with revis$6	US-PGPUB; USPAT	OR	ON	2006/06/23 16:02
L18	2	16 and 17	US-PGPUB; USPAT	OR	ON	2006/06/23 16:02
L19	222	15 and 17	US-PGPUB; USPAT	OR	ON	2006/06/23 16:02
L20	220	19 not 18	US-PGPUB; USPAT	OR	ON	2006/06/23 16:02
L21	1325	delet$4 with revis$6	US-PGPUB; USPAT	OR	ON	2006/06/23 16:02
L22	34	20 and 21	US-PGPUB; USPAT	OR	ON	2006/06/23 16:02
L23	11259	(revis$4 or modif$4) with document	US-PGPUB; USPAT	OR	ON	2006/06/23 16:06

EAST Search History

L24	235	conver$5 with document with tree	US-PGPUB; USPAT	OR	ON	2006/06/23 16:06
L25	69099	(revis$4 or modif$5) with element	US-PGPUB; USPAT	OR	ON	2006/06/23 16:06
L26	17	L23 and L24 and L25	US-PGPUB; USPAT	OR	ON	2006/06/23 16:06
L27	78920	(revis$4 or modif$5) with (node or element)	US-PGPUB; USPAT	OR	ON	2006/06/23 16:06
L28	20	L23 and L24 and L27	US-PGPUB; USPAT	OR	ON	2006/06/23 16:06
L29	41	L24 and L27	US-PGPUB; USPAT	OR	ON	2006/06/23 16:06
L30	21	L29 not L28	US-PGPUB; USPAT	OR	ON	2006/06/23 16:06
L31	21	L30 not L26	US-PGPUB; USPAT	OR	ON	2006/06/23 16:06
L32	540	generat$5 with document with tree	US-PGPUB; USPAT	OR	ON	2006/06/23 16:06
L33	107	L27 and L32	US-PGPUB; USPAT	OR	ON	2006/06/23 16:06
L34	67	L33 and ((delet$4 or remov$4) with (element or node))	US-PGPUB; USPAT	OR	ON	2006/06/23 16:06
L35	64	L34 not L31	US-PGPUB; USPAT	OR	ON	2006/06/23 16:06
L36	59	L35 not L26	US-PGPUB; USPAT	OR	ON	2006/06/23 16:06
L37	59	L36 not L29	US-PGPUB; USPAT	OR	ON	2006/06/23 16:06
L38	235	conver$4 with document with tree	US-PGPUB; USPAT	OR	ON	2006/06/23 16:06
L39	71	L38 and (attribute with type)	US-PGPUB; USPAT	OR	ON	2006/06/23 16:06
L40	2	1 and 5	US-PGPUB; USPAT	OR	ON	2006/06/23 16:07
L41	59	1 and 12	US-PGPUB; USPAT	OR	ON	2006/06/23 16:07
L42	16	41 and 10	US-PGPUB; USPAT	OR	ON	2006/06/23 16:07

Terms used **convert document tree revision support** Found **77,142** of **178,880**

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1 Querying web metadata: Native score management and text support in databases

Gültekin Özsoyo□lu, Ismail Sengör Altingövde, Abdullah Al-Hamdani, Selma Ayşe Özel, Özgür Ulusoy, Zehra Meral özsoyo□lu

December 2004 **ACM Transactions on Database Systems (TODS)**, Volume 29 Issue 4

Publisher: ACM Press

Full text available: pdf(737.76 KB) Additional Information: full citation, abstract, references, index terms

In this article, we discuss the issues involved in adding a native score management system to object-relational databases, to be used in querying Web metadata (that describes the semantic content of Web resources). The Web metadata model is based on topics (representing entities), relationships among topics (called *metalinks*), and importance scores (sideway values) of topics and metalinks. We extend database relations with scoring functions and importance scores. We add to SQL score-manag ...

Keywords: Score management for Web applications

2 TransformGen: automating the maintenance of structure-oriented environments

David Garlan, Charles W. Krueger, Barbara Staudt Lerner

May 1994 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 16 Issue 3

Publisher: ACM Press

Full text available: pdf(3.10 MB) Additional Information: full citation, abstract, references, citings, index terms, review

A serious problem for programs that use persistent data is that information created and maintained by the program becomes invalid if the persistent types used in the program are modified in a new release. Unfortunately, there has been little systematic treatment of the problem; current approaches are manual, ad hoc, and time consuming both for programmers and users. In this article we present a new approach. Focusing on the special case of managing abstract syntax trees in structure-oriente ...

Keywords: schema evolution, structure-oriented environments, type evolution

3 Revised Report of the Algorithmic Language Algol 68

A. van Wijngaarden

August 1981 **ALGOL Bulletin**, Issue Sup 47

Publisher: Computer History Museum
Full text available: pdf(9.20 MB) Additional Information: full citation, index terms

4 Document querying and transformation: Querying XML documents by dynamic shredding
Hui Zhang, Frank Wm. Tompa
October 2004 **Proceedings of the 2004 ACM symposium on Document engineering**
Publisher: ACM Press
Full text available: pdf(251.39 KB) Additional Information: full citation, abstract, references, index terms

With the wide adoption of XML as a standard data representation and exchange format querying XML documents becomes increasingly important. However relational database systems constitute a much more mature technology than what is available for native storage of XML. To bridge the gap one way to manage XML data is to use a commercial relational database system. In this approach users typically first ``shred'' their documents by isolating what they predict to be meaningful fragments then store t ...

Keywords: XML, XQuery, dynamic shredding, relational algebra, text ADT

5 Innovative Document Systems: The multivalent browser: a platform for new ideas
Thomas A. Phelps, Robert Wilensky
November 2001 **Proceedings of the 2001 ACM Symposium on Document engineering**
Publisher: ACM Press
Full text available: pdf(188.51 KB) Additional Information: full citation, abstract, references, citings, index terms

The Multivalent Browser is built on a architecture that separates functionality from concrete document format. Almost all functionality is made available via relatively small modules of code called behaviors that programmers can write to extend the core system. Behaviors can be as significant and powerful as parser-renderers for scanned paper, HTML, or TeX DVI; as fine-grained as hyperlinks, cookies, and the disabling of menu items; and as innovative or uncommon as in situ annotatins, "lenses", ...

Keywords: annotation, architecture, digital, document, multivalent behavior, paper, scanned

6 Proceedings of the SIGNUM conference on the programming environment for development of numerical software
March 1979 **ACM SIGNUM Newsletter**, Volume 14 Issue 1
Publisher: ACM Press
Full text available: pdf(5.02 MB) Additional Information: full citation

7 Introducing Ada 9X
John Barnes
November 1993 **ACM SIGAda Ada Letters**, Volume XIII Issue 6
Publisher: ACM Press
Full text available: pdf(4.39 MB) Additional Information: full citation, citings, index terms

8 EmbeddedButtons: supporting buttons in documents

Eric A. Bier
October 1992 **ACM Transactions on Information Systems (TOIS)**, Volume 10 Issue 4
Publisher: ACM Press

Full text available: pdf(1.87 MB) Additional Information: full citation, abstract, references, citings, index terms, review

EmbeddedButtons is a library of routines and a runtime kernel that support the integration of buttons into document media, including text and graphics. Existing document editors can be modified to participate in this open architecture with the addition of a few simple routines. Unlike many button systems that insert special button objects into document media, this system supports turning existing document objects into buttons. As a consequence, buttons inherit all of the at ...

Keywords: active documents, buttons, user interface layout

9 An XML query engine for network-bound data

Zachary G. Ives, A. Y. Halevy, D. S. Weld
December 2002 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 11 Issue 4
Publisher: Springer-Verlag New York, Inc.
Full text available: pdf(351.86 KB) Additional Information: full citation, abstract, citings, index terms

XML has become the lingua franca for data exchange and integration across administrative and enterprise boundaries. Nearly all data providers are adding XML import or export capabilities, and standard XML Schemas and DTDs are being promoted for all types of data sharing. The ubiquity of XML has removed one of the major obstacles to integrating data from widely disparate sources - namely, the heterogeneity of data formats. However, general-purpose integration of data across the wide are a also re ...

Keywords: Data integration, Data streams, Query processing, Web and databases, XML

10 Lessons on converting batch systems to support interaction: experience report

Robert DeLine, Gregory Zelesnik, Mary Shaw
May 1997 **Proceedings of the 19th international conference on Software engineering**
Publisher: ACM Press
Full text available: pdf(1.49 MB) Additional Information: full citation, references, citings, index terms

Keywords: batch systems, interactive systems, reengineering, software evolution

11 Toward an engineering discipline for grammarware

Paul Klint, Ralf Lämmel, Chris Verhoef
July 2005 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 14 Issue 3
Publisher: ACM Press
Full text available: pdf(710.42 KB) Additional Information: full citation, abstract, references, index terms

Grammarware comprises grammars and all grammar-dependent software. The term *grammar* is meant here in the sense of all established grammar formalisms and grammar notations including context-free grammars, class dictionaries, and XML schemas as well as some forms of tree and graph grammars. The term *grammar-dependent software* refers to all software that involves grammar knowledge in an essential manner.

Archetypal examples of grammar-dependent software are parsers, program converters ...

Keywords: Grammarware, automated software engineering, best practices, generic language technology, grammar-dependent software, grammars, language processing, metamodeling, model-driven development, parsers, software evolution, software transformation

12 Document Formatting Systems: Survey, Concepts, and Issues

Richard Furuta, Jeffrey Scofield, Alan Shaw
September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3
Publisher: ACM Press
Full text available: pdf(5.36 MB) Additional Information: full citation, references, citings, index terms

13 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**
Publisher: IBM Press
Full text available: pdf(4.21 MB) Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

14 Version models for software configuration management

Reidar Conradi, Bernhard Westfechtel
June 1998 **ACM Computing Surveys (CSUR)**, Volume 30 Issue 2
Publisher: ACM Press
Full text available: pdf(483.54 KB) Additional Information: full citation, abstract, references, citings, index terms

After more than 20 years of research and practice in software configuration management (SCM), constructing consistent configurations of versioned software products still remains a challenge. This article focuses on the version models underlying both commercial systems and research prototypes. It provides an overview and classification of different versioning paradigms and defines and relates fundamental concepts such as revisions, variants, configurations, and changes. In particular, we foc ...

Keywords: changes, configuration rules, configurations, revisions, variants, versions

15 Cliché-based program editors

Richard C. Waters
January 1994 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 16 Issue 1
Publisher: ACM Press
Full text available: pdf(3.22 MB) Additional Information: full citation, references, citings, index terms, review

Keywords: abstract syntax tree schemas, computer-aided software engineering (CASE), plan diagrams, reuse

16 XRel: a path-based approach to storage and retrieval of XML documents using relational databases

August 2001 **ACM Transactions on Internet Technology (TOIT)**, Volume 1 Issue 1

Publisher: ACM Press

Full text available: pdf(264.27 KB) Additional Information: full citation, abstract, references, citings, index terms, review

This article describes XRel, a novel approach for storage and retrieval of XML documents using relational databases. In this approach, an XML document is decomposed into nodes on the basis of its tree structure and stored in relational tables according to the node type, with path information from the root to each node. XRel enables us to store XML documents using a fixed relational schema without any information about DTDs and also to utilize indices such as the B+

Keywords: XML query, XPath, text markup, text tagging

17 Document processing in a relational database system

Michael Stonebraker, Heidi Stettner, Nadene Lynn, Joseph Kalash, Antonin Guttman

April 1983 **ACM Transactions on Information Systems (TOIS)**, Volume 1 Issue 2

Publisher: ACM Press

Full text available: pdf(905.89 KB) Additional Information: full citation, references, citings, index terms

18 Real-time shading

Marc Olano, Kurt Akeley, John C. Hart, Wolfgang Heidrich, Michael McCool, Jason L. Mitchell, Randi Rost

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

Publisher: ACM Press

Full text available: pdf(7.39 MB) Additional Information: full citation, abstract

Real-time procedural shading was once seen as a distant dream. When the first version of this course was offered four years ago, real-time shading was possible, but only with one-of-a-kind hardware or by combining the effects of tens to hundreds of rendering passes. Today, almost every new computer comes with graphics hardware capable of interactively executing shaders of thousands to tens of thousands of instructions. This course has been redesigned to address today's real-time shading capabili ...

19 Supporting the restructuring of data abstractions through manipulation of a program visualization

Robert W. Bowdidge, William G. Griswold

April 1998 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 7 Issue 2

Publisher: ACM Press

Full text available: pdf(1.57 MB) Additional Information: full citation, abstract, references, citings, index terms

With a meaning-preserving restructuring tool, a software engineer can change a program's structure to ease future modifications. However, deciding how to restructure the program requires a global understanding of the program's structure, which cannot be derived easily by directly inspecting the source code. We describe a manipulable program visualization—the star diagram—that supports the restructuring task of encapsulating a

global data structure. The star diag ...

Keywords: meaning-preserving restructuring, semi-automated restructuring, software visualization, star diagram, tool-supported restructuring

20 A survey and analysis of Electronic Healthcare Record standards

Marco Eichelberg, Thomas Aden, Jörg Riesmeier, Asuman Dogac, Gokce B. Laleci
December 2005 **ACM Computing Surveys (CSUR)**, Volume 37 Issue 4

Publisher: ACM Press

Full text available: pdf(844.11 KB) Additional Information: full citation, abstract, references, index terms

Medical information systems today store clinical information about patients in all kinds of proprietary formats. To address the resulting interoperability problems, several Electronic Healthcare Record standards that structure the clinical content for the purpose of exchange are currently under development. In this article, we present a survey of the most relevant Electronic Healthcare Record standards, examine the level of interoperability they provide, and assess their functionality in terms o ...

Keywords: Electronic Healthcare Record standards, eHealth, interoperability

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